



TUET | Deep Surface

High pressure decorative laminates (HPL) in accordance with EN 438-1:2016, EN 438-2:2019, EN 438-3:2016 consisting of a surface of decorative paper sheets impregnated with aminoplastic resins and a core of kraft paper layers impregnated with phenolic thermosetting resin. All layers are joined by simultaneous application of heat (about 150 C) and specific high pressure (> 7 MPa) to obtain a homogeneous non-porous material with high density. TUET is only suitable for vertical applications, these thin laminates are used by composite panel manufacturers for bonding on various substrates. TUET is the first Arpa Deep Surface inspired by the Piedmontese marsh straws along the Tanaro River, this surface highlights the contrasts between light and shadow revealing all the charm of the reed bed.

				STANDARD
PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT	VALUES
SURFACE QUALITY				
Surface quality	EN 438-2:2019 cl.4	Spots, dirt and similar surface defects	mm ² /m ²	≤ 1
		Fibres, hair and scratches	mm/m ²	≤ 10
DIMENSIONAL TOLERANCES				
Dimensional tolerances	EN 438-2:2019 cl.5	Thickness tolerance	mm	1,5 ± 0,5
	EN 438-2:2019 cl.6	Length and width	mm	+ 10 / - 0
	EN 438-2:2019 cl.7	Straightness of edges	mm/m	≤ 1,5
	EN 438-2:2019 cl.8	Squareness	mm/m	≤ 1,5
	EN 438-2:2019 cl.9	Flatness (measured on full-size sheet)	mm/m	≤ 60
GENERAL PROPERTIES				
Resistance to immersion in boiling water	EN 438-2:2019 cl.12	Appearance	Rating	≥ 4
Dimensional stability at high temperatures	EN 438-2:2019 cl.17	Cumulative dimensional change	Longitudinal %	≤ 0,75
		Cumulative dimensional change	Transversal %	≤ 1,25
Resistance to cracking under stress	EN 438-2:2019 cl.23	Appearance	Rating	≥ 4
Resistance to scratching	EN 438-2:2019 cl.25	Appearance	Rating	≥ 2
Light fastness (Xenon-arc)	EN 438-2:2019 cl.27	Contrast	Grey scale rating	≥ 4
Electrostatic property	EN 61340-4-1	Point to point resistance	Ω	1 x 10 ⁹ ÷ 1 x 10 ¹¹
		Vertical resistance	Ω	1 x 10 ⁹ ÷ 1 x 10 ¹¹
Density	EN ISO 1183	Density	g/cm ³	≥ 1,35
OTHER PROPERTIES				
Formaldehyde emission	EN 13986	Formaldehyde emissions	Rating	E1
Volatile Organic Chemical Emissions	Greenguard Certification Low Chemical Emission UL 2818	Volatile Organic Chemical emissions	Suitability	Greenguard certified

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